Approved For Release 2000/08/27 : CIA-RDP78-02820A000400040029-2

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The Files - RD-107, Task Order 5 28 November 1958

25X1A9a [redacted]

Radio Circuit Development — No. 1

1. On 19 November 1958 a visit was made to the [redacted] 25X1A5a1
25X1A [redacted], to discuss the maintenance aspects of the transmitter and Receiver developed under this project. Persons present for discussions were:

25X1A5a1 [redacted]

25X1A9a [redacted] OC-E/R+D-EP

2. The transmitter and receiver was constructed as test vehicles to demonstrate the components and circuitry developed under the subject project. In an attempt to evaluate the prototype equipments, the R+D Laboratory noted several malfunctions. The receiver has spurious oscillations and the transmitter did not track properly thus preventing proper
25X1A5a1 evaluation of the equipment. [redacted] accepted the receiver last month for maintenance and returned it to the writer during this trip. In returning the receiver to the R+D Laboratory, the tests taken by GE were also submitted to our laboratory.

25X1A5a1 3. During this trip [redacted] was asked to repair the mechanically misaligned transmitter tuning capacitor (5 gang unit) so as to provide proper tracking of the equipment. [redacted] stated that they would 25X1A9a accept this equipment for repair and asked that the receiver be turned over to their Washington representative for retransmission to [redacted] 25X1A New York.

25X1A5a1 4. [redacted] was questioned as to what he believed [redacted] could offer 25X1A in the way of a continuing component and circuit development program. [redacted] stated that there were two lines of thought, one is the continuation of the present development program whereby [redacted] would attempt to improve 25X1A5a1 those components developed under Task Order 5 and the second is a sky-blue approach. Here the term microminiaturization was used, whereby a circuit or component would be developed to perform more than one function. [redacted] 25X1A5a1 visualized a semiconductor, that by its configuration would act as a filter and also because of the material being pulsed in some manner along its length, possibly acting as a amplifier. He hastened to say that such a development is hazardous in that the possibility existed that nothing of value may be accomplished. A letter will be submitted to [redacted] 25X1A9a
25X1A5a1 briefly outlining what [redacted] can accomplish in this field.

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OC-E/R+D-EP/DNR:mjr (2 Dec. 58)
cc: [redacted] 25X1A9a
cc:R+D Sub/Monthly/R+D Lab/OC-E/